

BI ET AL.
"Broadcast/Multicast Services In Wireless
Communications Networks"
Atty. Docket No. CS23442RL

Appl. No. 10/749,021
Confirm. No. 8438
Examiner P. Desir
Art Unit 2681

REMARKS

Request for Reconsideration, Informal Matters, Claims Pending

The non-final Office action mailed on 6 March 2006 has been considered carefully. Reconsideration of the claimed invention in view of the amendments above and the discussion below is respectfully requested.

Claims 10 and 13-25 are pending.

Allowability of Claims Over Trossen & Hsu

Rejection Summary

Claims 8, 10-11, 13-14, 17-19 and 24-25 stand rejected under 35 USC 103(a) as being unpatentable over U.S. Publication No. 2003/0157899 (Trossen) in view of U.S. Publication No. 20020141391 (Hsu).

The Examiner concedes that Trossen "... does not specifically disclose transmitting reliability information on a third channel, the reliability information for decoding at least one of the first and second layer broadcast/multicast service content information" but relies upon Hsu for teaching "... encrypting the transmission/content so that only the subscribed users can decrypt the content...."

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Allowability of Claim 13

Regarding independent Claim 13, contrary to the Examiner's assertion, Trossen and Hsu fail to disclose or suggest a

... method in wireless communications network, the method comprising:
transmitting content and reliability information on a first channel;
transmitting additional reliability information for the content on a second channel,
the reliability and additional reliability information for decoding the content.

The Examiner's reliance on Trossen and Hsu is misplaced. Trossen discloses transmitting content on first and second channels. Trossen does not disclose transmitting any reliability information. At para. [0061], Hsu discusses providing access to a high speed broadcast service (HSBS) to subscribers by encrypting the HSBS content so that only subscribers may decrypt it using over-the-air encryption key exchange procedures.

Neither Trossen nor Hsu disclose or suggest transmitting content and reliability information on a first channel and transmitting additional reliability information for the content on a second channel. It is not even clear that Hsu sends reliability information on the same channel as the content. Hsu merely discusses exchanging an encryption key for decoding broadcast content. Claim 13 is thus patentably distinguished over the art.

Allowability of Claim 14

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Regarding Claim 14, Trossen and Hsu fail to disclose or suggest in combination with the limitations of Claim 13,

... transmitting the content, the reliability information and the additional reliability information with sufficient temporally proximity to enable decoding of the content, by a recipient, using the reliability and additional reliability information.

The Examiner admits that Trossen fails to disclose the transmission of reliability information. Contrary to the Examiner's suggestion, Hsu does not disclose transmitting reliability information on first and second channels, or transmitting the content and reliability information and additional reliability information with sufficient temporal proximity to enable decoding content. Claim 14 is thus patentably distinguished over the art.

Allowability of Claim 17

Regarding Claim 17, Trossen and Hsu fail to disclose or suggest in combination with the limitations of Claim 13,

... transmitting the content and reliability information on a shared channel;
transmitting additional reliability information for the content on another shared channel.

Contrary to the Examiner's suggestion, there is no indication that the encryption key exchange disclosed by Hsu is performed on a shared channel. Hsu nevertheless fails to disclose transmitting reliability information on first and second shared channels. Claim 17 is thus patentably distinguished over the art.

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Allowability of Claim 18

Regarding Claim 18, Trossen and Hsu fail to disclose or suggest in combination with the limitations of Claim 13,

... transmitting the content and reliability information using a first transmission parameter;
transmitting the additional reliability information using a second transmission parameter different than the first transmission parameter.

Neither Trossen nor Hsu disclose transmitting reliability information using different channels using corresponding parameters.

Allowability of Claim 19

Regarding Claim 19, Trossen and Hsu fail to disclose or suggest in combination with the limitations of Claim 13,

... transmitting the content and reliability information on a first channel substantially simultaneously with transmitting the additional reliability information for the content on the second channel.

Contrary to the Examiner's suggestion, Hsu fails to disclose or suggest substantially simultaneously transmitting reliability information on first and second channels. Claim 198 is thus patentably distinguished over the art.

Allowability of Claim 20

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Claim 20 was amended to include limitations of Claim 24. Trossen and Hsu fail to disclose or suggest a

... method in wireless communications device, the method comprising:
receiving a message identifying a channel on which content will be transmitted;
receiving first layer content information on a first channel;
receiving second layer content information on a second channel, at least one of the first and second channels identified in the message,
the first and second layer content information is encrypted,
decrypting the first layer content information with a first key,
decrypting the second layer content information with a second key that is different than the first key.

Contrary to the Examiner's assertion, Hsu does not disclose decrypting first layer content information with a first key and decrypting second layer content information with a second key that is different than the first key. Hsu merely discusses exchanging an encryption key for decoding broadcast content. Hsu does not disclose first and second content layers and thus there is no suggestion in Hsu for decrypting first and second content layers with different keys. Amended Claim 20 is thus patentably distinguished over the art.

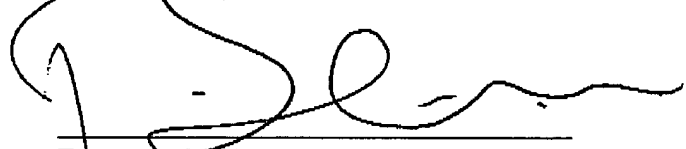
Prayer For Relief

In view of any amendments and the discussion above, the Claims of the present application are in condition for allowance. Kindly withdraw any rejections and objections and allow this application to issue as a United States Patent without further delay.

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Respectfully submitted,



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